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FISHING VESSELS OF THE FUTURE

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LITERATURE LIST

No literature list is presented in this report, as it can be replaced with

"Survey of fishing vessel literature in the Danish Institute of Fisheries Technology" by Gunnar Petersen, Hirtshals, 1984.

I. INTRODUCTION

Throughout the 1970's and into the 80's, increasingly severe warnings were issued by leading spokesmen of the fisheries about the threat that the modest supply of new vessels for the Danish fishing fleet constitutes for the future competitiveness of the Danish fisheries. The longterm position of the Danish fisheries as a technological leader in coastal fisheries is, in spite of many technical inventions, facing a risk of being lost, and professional circles are increasingly of the opinion that Denmark no longer is the nation with the modern, well-equipped fishing fleet, as it has been replaced by countries such as Scotland, the Netherlands, Norway, and France.

In 1983 and 1984, the fishing vessel supply experienced some boom, but in 1985 everything declined again due to the very strict restrictions on new construction.

In the longer term, the decline in the production apparatus of the fishing industry constitutes a threat for the whole industry.

Therefore, the Institute of Fisheries Technology decided in fall 1981 to invite representatives from the Laboratory of Ship Technology, the Jutland Technological Institute, the Experimental Laboratory of the Ministry of Fisheries, the Danish Fisheries and Marine Research Institute, Aalborg University Centre, Nordsocentret (North Sea Museum), the Institute of Fisheries Technology, and technical and economic advisory bodies of fisheries organisations to discuss the possibility that these institutions jointly establish a Danish vessel development project with a view to producing a new generation of vessels for the Danish fishing fleet.

During the discussions, all institutions expressed both their interest in the project and their favorable attitude towards contributing to a fishing vessel project.

It was agreed that the work be started with a preliminary project that would deal with the existing fleet structure and vessel lay-out within the Danish fisheries, and outline, on the basis of the material collected, those trends in boat-building that will characterize both Danish and foreign fisheries in the future. The plan was to establish jointly a Danish vessel development project based on the preliminary results, with an aim to produce a new generation of vessels for the Danish fishing fleet.

The first part of the preliminary project was concluded with the report "Fleet structure and vessel lay-out in the Danish fisheries" by Henrik Flintegaard. The material assembled was inventoried, and a survey of it was published, titled "Survey of fishing vessel literature in the Danish Institute of Fisheries Technology" by Gunnar Petersen.

The present report will focus on issues indicating future trends. This report concludes the preliminary project and attempts to point out details requiring further research in the form of new projects. The report has been compiled by Kent Nielsen, Laboratory of Ship Technology, who worked for the Institute of Fisheries Technology from 01.04. to 31.10.1985.